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TITLE: Induction sintering process, for a charge of pressed powder parts, comprises arranging individual charge batches in stacked supports having gas and vapor extraction openings

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ABSTRACT:

CHG DATE=20010601 STATUS=0>A powder pressing charge induction sintering process, comprising arranging individual charge batches (P1-5) in stacked supports (17) having gas and vapor extraction openings, is new. A charge of pressed powder parts is induction sintered at sub-atmospheric pressure, in a vacuum chamber (2) surrounded by an induction coil (8), by subdividing the

charge into individual batches (P1-5) arranged in stacked charge supports (17) at several levels in the working region of the induction coil, the released gases and vapors being withdrawn through extraction openings in the supports for collection in a condenser. An Independent claim is also included for an apparatus for carrying out the above process.